

Abstract

**PROVIDING DIFFERENTIATED SERVICES ON ATM SWITCHED
VIRTUAL CIRCUITS WHEN TRANSPORTING IP PACKETS**

A router providing differentiated services while transporting Internet Protocol (IP) 5 packets on an asynchronous transfer mode (ATM) backbone. A network administrator may specify multiple precedence values (in the type of service (TOS) portion of an IP header) associated with each SVC (set up with desired QOS). IP packets with the specified precedence values are transported on the associated SVC. By associating different precedence values with different SVC and configuring different SVCs with different QOS, differentiated 10 services may be provided to IP packets.

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